

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-022

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period August 23 – August 29, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period August 23 – August 29, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, August 28, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- Environmental Protection Agency (EPA)
- U.S. Army Corps of Engineers (ACOE)
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Mark Fillius, ACOE representing EPA, was on Site August 26 through August 29.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of August 23 – August 29, 2019, the following activities were conducted:

- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from the west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- Completed excavating and hauling Low-Activity/Low-Reactivity waste mixed with wood chips consistent with RFI 2019-003 from the Temporary Impacted Soil Stockpile (TISS) and placed it in the unclassified waste zone of the Pit 4 Waste Containment Area backfill as shown on Sheet 8-5 of the Basis of Design Report (BODR, MWH 2015) drawings. CQC and CQA verified thickness of woodchips in the TISS and that wood chips were thoroughly mixed with soil as placed in Pit 4.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
August 23 – August 29, 2019	3,041	85,148
2019 Cumulative	63,068	1,765,904

1 - Truck load assumed to be 28 yd³

- The final set of Pit 4 vertical dewater risers for 2019 were installed.
- Continued preparation of the South Pond subgrade for liner installation.
- Relocated supplies and materials from the laydown area on the South Waste Rock Pile, south of the maintenance area to the laydown area located in the Backfilled Pits Area.
- Continued constructing the High Road along the north side of Protore Stockpile 4 and west of Pit 3 in the vicinity of the former light vehicle road.
- Excavated the cutoff walls for the South Pond Spillway
- Wm. Winkler poured the concrete cutoff walls for the South Pond Spillway and began forming and placing rebar for the Western States maintenance area concrete slab.
- Began realignment of access road to the Water Treatment Plant.
- Completed monthly fence inspection.
- Pit 4 tension crack was measured on August 26. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP)

- None

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None

The following equipment was demobilized from the Site during this reporting period.

- None

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- Rebar for South Pond Spillway
- Steel I-beams for Western States maintenance area concrete slab
- Gravel for realignment of access road to the Water Treatment Plant

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

Table 2 - TSP Dust Monitoring Locations during reporting period August 23 – August 29, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	East of the Mid-WRP	08/19/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
03300-01.00	South Pond Spillway – Concrete Reinforcement	8/26/2019	8/28/2019 EPA – No Exceptions 8/28/2019
00300-02.00	South Pond Spillway – Concrete Placement Plan	8/26/2019	8/28/2019 EPA – No Exceptions 8/28/2019
03300-03.00	South Pond Spillway – Rebar List and Mill Certification	8/26/2019	8/28/2019 Pending EPA Review
03300-04.00	Concrete Mix Designs and Curing Compound	8/27/2019	8/28/2019 EPA – No Exceptions 8/28/2019
01018-38.00	Stockpile 1 and 2 As-Built	8/29/2019	TBD
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-013	South Pond Details	7/29/2019	8/12/2019 EPA Comments Received 8/19/2019 Newmont Response to EPA Sent 8/28/2019 EPA – No Exceptions 8/29/2019
2019-015	Request for Additional Information on South Pond Spillway Concrete	8/21/2019	8/28/2019 EPA – No Exceptions 8/28/2019
2019-016	Request for Modification of HDPE Pipe Storage Requirements	8/27/2019	TBD
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title	CQC-CQA Issue Date	
None			
Other Items			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – Pit 4 overview, looking south.



Figure 2 – CAT D6 dozer cleaning up / grading South Pond slope, looking west.



Figure 3 – South Pond Spillway cutoff wall excavation, looking north.



Figure 4 – Concrete Pour for the South Pond Spillway Cut-Off Walls.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

Midnite Mine 2019 Production Schedule				Midnite Mine Remedial Action 3 Week Look Ahead Schedule						Data Date: 29-Aug-19 Print Date: 03-Sep-19					
Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work			September 2019				October 2019			
							25	01	08	15	22	29	06	13	20
Midnite Mine 2019 Production Schedule			44	01-Apr-19 A											
Project Operations			44	01-Apr-19 A											
WTP & South Pond Excavation to Pit 4			41	17-Jul-19 A											
South Pond			41	17-Jul-19 A											
SP3,4&SoPond-40	Finish Grade South Pond and Prep for Liner	70%	6	17-Jul-19 A	NMC										
SP3,4&SoPond-55	Excavate and Install Concrete Trapezoid channel for spillway	75%	5	25-Jul-19 A	NMC										
SP3,4&SoPond-45	Transport South Pond Liner materials to site	90%	10	29-Jul-19 A	NMC										
SP3,4&SoPond-50	Install South Pond Liner	0%	35	09-Sep-19	NMC										
Pit 4 Operations			44	16-Apr-19 A											
DR10	Install Pit 4 Underdrain Dewatering Risers (LOE)	85%	44	16-Apr-19 A	NMC										
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOE)	85%	44	16-Apr-19 A	NMC										
IC10	Install Pit 4 Infiltration Collectors (LOE)	70%	44	22-Apr-19 A	NMC										
SWRP (South Waste Rock Pile) to Pit 4			30	01-Apr-19 A											
SWRP North			20	01-Apr-19 A											
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	36%	20	01-Apr-19 A	NMC										
Timber Processing Areas			0	16-Aug-19 A											
TPA-10	Excavate and Haul Timber Processing Area Material to Pit 4 (TISS)	100%	0	16-Aug-19 A	NMC										
SWRP - Middle (Remainder of Phase 1)			30	15-Apr-19 A											
SWRP-Mid-10	Excavate and Haul Middle SWRP to Pit 4	88%	30	15-Apr-19 A	NMC										

◆◆ Current Milestone

Actual Work

Remaining Work

Critical Remaining Work

Remaining Level of Effort

Actual Level of Effort

